

EPSON® EMP Projector Series

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EPSON CoverPlus - extended 3 year warranty for extra peace of mind

The EPSON EMP range of projectors has been designed to withstand the rigours of mobile presenting, offering amazing strength and durability despite lightweight construction. To ensure you continue to enjoy complete confidence in your EPSON Projector, it is supported by a 1 year replacement or repair warranty, which offers collection, repair and return within five working days* - as standard. For additional peace of mind, an optional 3 year on-site warranty upgrade is available within 90 days of purchase of main unit.

* These times are target to which EPSON works.



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Specifications subject to change.
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EPSON®



A comprehensive range of professional multimedia projectors

- Super Bright, High Quality Polysilicon LCD Technology
- Supports VGA, SVGA, XGA, SXGA, UXGA Display
- Lightweight, compact designs for easy portability
- Advanced Connectivity with Computer and Video inputs
- Presentation Assistance Software for versatile, dynamic presentations
- Optional 3 year On Site Warranty

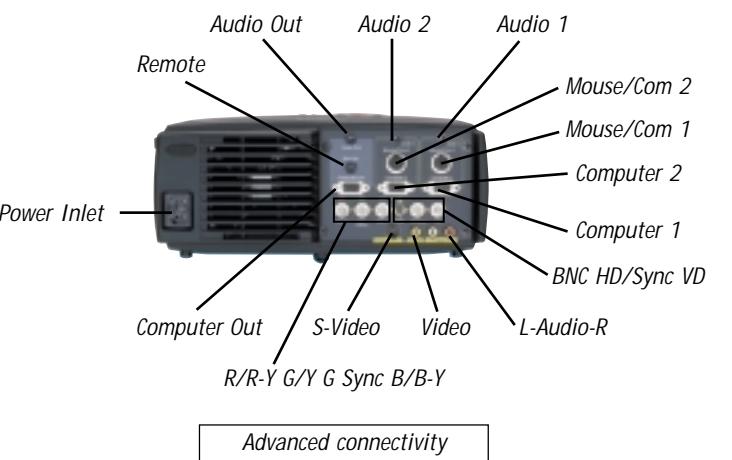
EPSON EMP Series

Presenting the best multimedia projectors in the world

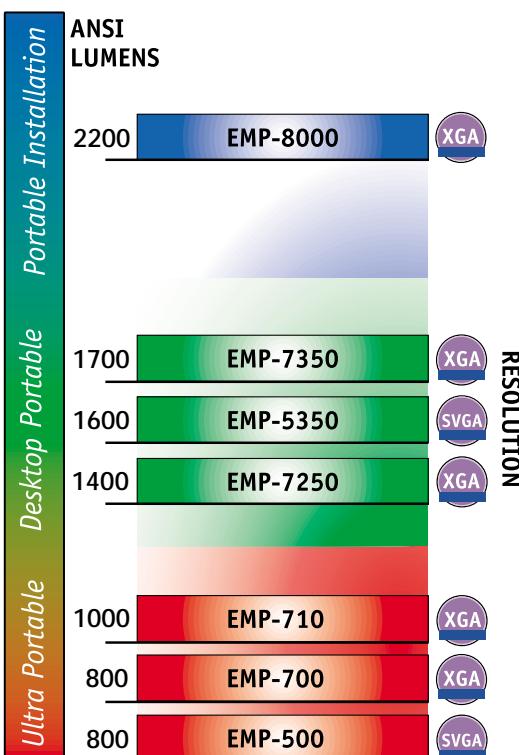
EPSON's amazing EMP range of multimedia projectors offer the brightest, most portable, and versatile presentation solutions available. Whether you present all over the world, in different offices or conference rooms or are building a dedicated installation system, EPSON has a projector to suit your requirements.

Universally compatible

EPSON EMP multimedia projectors can be used for excellent quality presentations just about anywhere in the world. They are highly portable and ready to go straight out of the box, with universal video and power compatibility and extensive connectivity to PCs, Macs, DVD/Laser Disc/VCRs, camcorders, digital cameras CD-ROMS and sound systems. In fact, up to four different input sources can be connected simultaneously, and switched easily with the fully-featured infrared remote control.



Product Positioning



Technology to match even your brightest, clearest ideas

EPSON EMP multimedia projectors utilise EPSON's superior optics to produce exceptional brightness and image quality. Technologies include ultra high aperture LCD panels with Micro Lens Arrays, Panel on Prism, Polarisation Conversion, high wattage UHE lamps, and Digital Active Resizing for flawless VGA, SVGA, XGA, SXGA and even UXGA support.

EMP projectors feature simple, effective adjustable feet and clear, accessible controls and connectors. They also offer colour temperature range control and digital keystone adjustment, which corrects the angle, aspect ratio and shape of the projected image. The EPSON EMP-8000 also has manual optical lens shift, which enables as many as three projectors to be stacked together to produce a single unified ultra bright image.

Keeping you informed and in control

EPSON's Advanced Auto Set-Up automatically adjusts settings to ensure ultimate quality with minimum input, while simple on-screen menus and an improved, backlit remote control provide easy access to a wide range of user-controlled features, including advanced software which enables presentation enhancement in real time or beforehand. Comprehensive Help is always at hand, while users can even lock menus to prevent unwanted changes being made.



EPSON EMP projectors - a sound decision
Powerful internal speakers - from 1W mono to 3W stereo 'surround sound' - add impact to presentations, while for really large audiences, the EPSON EMP range may be connected to an external speaker system.

VGA

RESOLUTION

SVGA

RESOLUTION

XGA

RESOLUTION

SXGA

RESOLUTION

UXGA

RESOLUTION

What makes EPSON's EMP series projectors so much brighter?

UHE Lamps and Polarisation Conversion

The EMP projector's unrivalled brightness is sourced from an Ultra High-Efficiency lamp and maintained by EPSON Polarisation Conversion technology.

Light first passes through two lens arrays, ensuring the entire image is consistently bright, before passing into the polarisation splitter. Vertical light waves pass through and are unchanged, but unlike other systems which eliminate horizontal polarised light waves (thus reducing overall brightness), the conversion system 'twists' them to a vertical polarisation. This means a greater proportion of the lamp light is used, achieving optimum brightness.

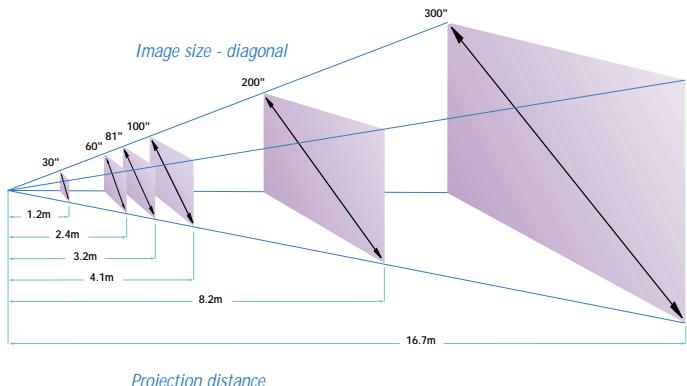
The UHE lamp is the only consumable item you'll need for your EMP projector. Despite its amazing abilities, this small wonder can last up to 2000 hours, because of its low operating temperature and minimal power consumption - less than half of that of halogen bulbs. For peace of mind, the lamp life counter in the operating menu keeps you informed about the amount of time remaining.

EPSON LCD Panel on Prism Technology

EPSON's latest superior optics also include ultra high aperture metal sandwich LCD panels and Panel on Prism technology.

Using Dichroic mirrors, which allow one light element to pass through the glass while reflecting the other elements, light is split into its red, green and blue constituents.

Then, when the light reaches the LCD panel arrays, the image is formed and light elements are reconstituted in the prism ready for projection. To virtually eliminate any element misalignment at reconstitution, the LCD panels are bonded to the prism surface.



Presentation Enhancement

EPSON EMP multimedia projector pre-programmed Presentation Assistance software features remote control 'Effects' buttons for Pointer, Box, Line, Marker and Clear functions, all of which can be utilised on both data and video presentations.

High quality bundled software

EPSON ELP Link IV software* enables a range of enhancements or effects such as lines, ellipses, squares and picture stamps to be programmed into the remote control, including Stamp Function and Built-in multiple Icon Editor, or for presentation settings to be controlled from a computer.

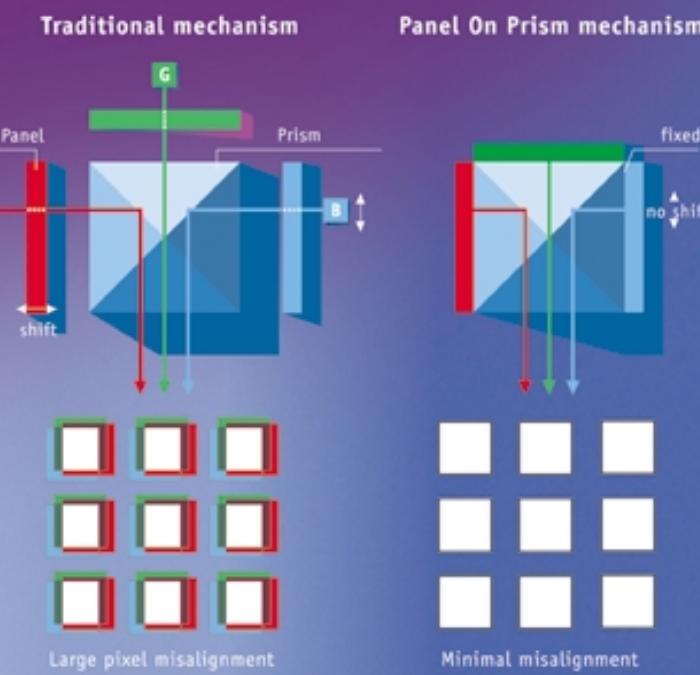


*not available on EPSON EMP 500/700/710

A comprehensive range of options

For other specialist requirements, a list of options includes Long Throw and Wide Angle Convergence lenses for installation environments, a 50" portable screen, an Image Presentation Camera for projecting hard copy documents, slides or 3D objects, a range of carry cases and a stacking unit for the EMP-8000.

EPSON EMP Series Optical Engine



EPSON EMP Ultra Portable Projectors

Ultra portable, super slim, high bright, high performance projectors for mobile presenters

EPSON ultra-portable projectors are ideally suited to mobile professional presenters and sales representatives who require advanced image quality with maximum portability, anywhere in the world and in any environment. Thanks to the very latest in EPSON's miniaturised projection technologies, these remarkable presentation tools weigh in at just 2.6Kg and stand only 72mm high, whilst maintaining all the features, compatibility and quality required for truly outstanding presentations.

'Next generation' portability

EPSON's latest ultra portable projectors achieve new levels of portability through miniaturised optics and circuit board, a smaller UHE lamp and a retractable lens which not only reduces size but ensures extra protection when the projector is being transported between venues.

High brightness and exceptional quality

Combining Polarisation Conversion Technology, improved aperture ratio 0.9" LCD panels with a contrast ratio up to 400:1 and short-arc 120W UHE lamps, EPSON's ultra-portable projectors produce clear vibrant images in 16.7 million colours even in daylight conditions. This is achieved with a brightness uniformity of 90%, which makes note-taking during presentations a simple task.



Complete plug-and-play presenting

EPSON Ultra-portable projectors include everything required for instant presenting, just about anywhere in the world. Universal video compatibility is combined with simultaneous connection to 1 computer and 1 video source, with audio available to each. A range of potential input sources includes PCs, Macs, VCRs, camcorders and digital cameras, with automatic source recognition for simple switching between devices. Capable of presenting in 16:9 widescreen aspect ratio.



Advanced Auto-Set-Up, on-screen menus and Help function

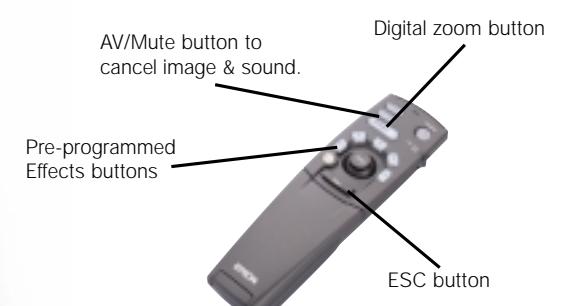
Wherever you are presenting, the Advanced Auto Set-Up function gets you started without delay by automatically adjusting tracking, synchronisation and centring. The on-screen menus make any further adjustment a breeze, and the Help function can be accessed from both the projector control panel and the remote control.

New backlit remote control and USB mouse port

These projectors also feature a new operation panel which has been designed for miniaturisation, transferring frequently used functions to the new remote controller. Backlit for extra clarity, this also includes pre-installed Presentation Assistance software, with functions such as pointer, box and zoom, which can be used on both data and video presentations.

Audio support for added impact

Although small, EPSON ultra portable projectors are more than capable of being heard in larger auditoriums, because in addition to their integral 1 x 1W speaker they can be connected to an external speaker system.



EMP-500

800 ANSI lumens.
True SVGA with VGA/XGA/SXGA support
2.6Kg, 72mm high



EMP-700

800 ANSI lumens.
True XGA with VGA/SVGA/SXGA/UXGA support
2.6Kg, 72mm high



EMP-710

1000 ANSI lumens
True XGA with VGA/SVGA/SXGA/UXGA support
2.6Kg, 72mm high



Key Features

- Ultra lightweight, ultra compact
- 120W Short arc UHE lamp
- Miniaturised optics and retractable lenses
- 0.9" Polysilicon LCD panel technology
- Digital Active Design Technology
- Digital keystone correction and colour temperature adjustment
- Worldwide NTSC, PAL, SECAM video support
- On-screen menu system with Help function for easy set-up
- Connects to 1 computer and 1 video source
- USB mouse port
- Picture-in-picture feature
- Pre-programmed Presentation Effects software
- Soft carry pouch as standard
- Standard 2 year repair or replacement warranty

	ANSI LUMENS	RESOLUTION
EMP-500	800	SVGA
EMP-700	800	XGA
EMP-710	1000	XGA

OPTIONS

(see Options section for full details)
Portable screen
Image Presentation camera
Soft carry case



Desktop Portable projectors offering amazing performance for inter office presentations or static environments

EPSON desktop portable projectors are perfect for professional presenters who need to work in a variety of locations, but require the best image quality and brightness available.

Bringing together EPSON's advanced technologies in a compact 6.2Kg package, the EMP-5350, EMP-7250 and EMP-7350 are true worldwide presenting tools, but are equally at home as part of a high quality installation set-up.

Worldwide video, widescreen and HDTV support

Enabling professional presentations to be made just about anywhere in the world, the EMP desktop portable range will project superior quality video images in PAL, NTSC and SECAM formats, while picture-in-picture technology enables a compressed video image to be displayed on a PC image without changing the source.

Also, these remarkable projectors are capable of presenting in the widescreen ratio of 16:9, and are not just HDTV ready, but fully HDTV compatible, supporting 480I, 480P, 720P, 1080I and 1080P.



Comprehensive connectivity

The EMP portable desktop range can be connected simultaneously to 2 computers and 1 video, with audio available for each, and automatic switching between sources which include PCs, Macs, DVD/LaserDisc/VCRs, camcorders and digital cameras. EPSON desktop portable projectors also have 5BNC connectivity for individual red, green and blue inputs of RGB devices, while optional 13W3 or BNC cables enable connection to Workstation platforms.



True SVGA display with Digital Active Resizing

EPSON third generation Digital Active Resizing Technology (DAR) calculates and optimises the resized image depending on the input PC signal and enables image sharpness adjustment via the simple menu. Also, Digital Keystone correction corrects the angle, aspect ratio and shape of the projected image by up to 20 degrees.

Advanced auto set-up

EPSON's portable desktop EMP projectors offer amazing performance, but are remarkably easy to use. The Advanced Auto Set-Up function automatically adjusts tracking, synchronisation and centring after powering on, experiencing a no-signal condition or after pressing the source button. For extra assistance, the simple on-screen menus and a comprehensive help function keep you informed and in control at all times.

Improved Remote Controller

The new remote controller provides full control from up to 10m from the projector, and is back lit for extra ease of use. New pre-programmed Presentation Assistance keys are readily available on the upper half of the keypad, with other Functions keys readily accessible under a flap. Effects such as Box, Line, Curve and Stamp are at your fingertips, while bundled EPSON ELP Link IV software enables further real time enhancements to be made from either the remote control, or direct from a computer.

OPTIONS

(see Options section for full details)

- Portable screen
- Image Presentation camera
- Long Throw lens
- Wide Convergence lens
- Hard and soft carry cases
- EPSON CoverPlus extended warranty

EMP-5350

1600 ANSI lumens True SVGA resolution with VGA, XGA and SXGA support



EMP-7250

1400 ANSI lumens True XGA resolution with VGA, SVGA, SXGA and UXGA support



EMP-7350

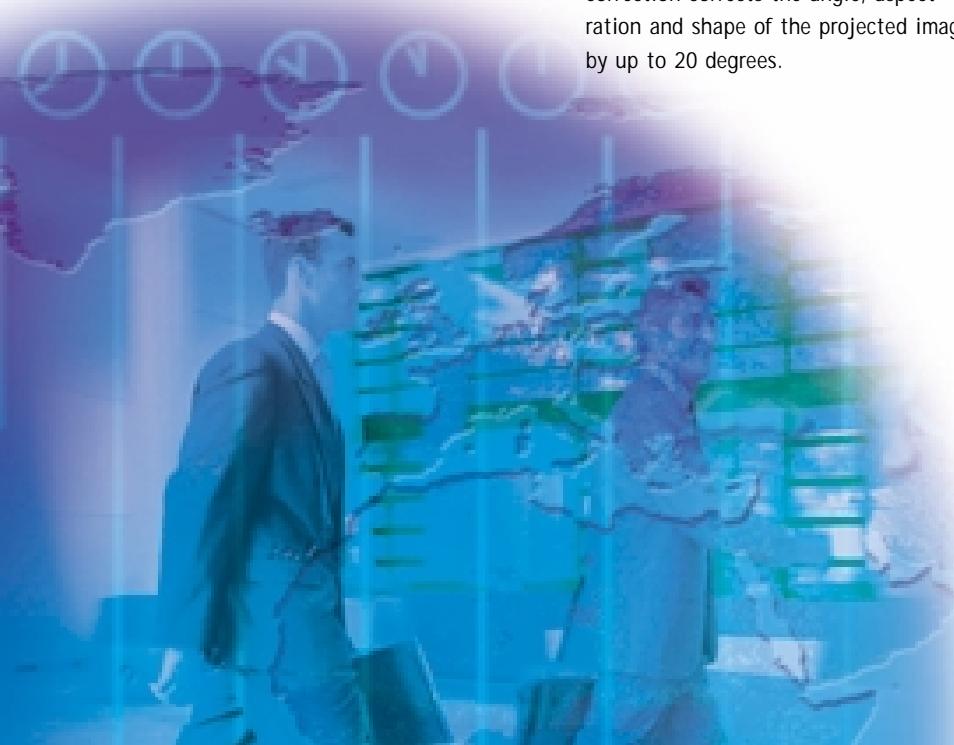
1700 ANSI lumens True XGA resolution with VGA, SVGA, SXGA and UXGA support



Key Features

- 6.2Kg
- 150W UHE lamp
- 1.3" ultra high aperture LCD panel technology
- Worldwide NTSC, PAL and SECAM video support
- Connects simultaneously to 2 computer and 1 video source
- Digital Active Resizing Technology
- Digital comb filter for enhanced video colour processing
- Widescreen and HDTV compatibility
- Colour temperature adjustment
- Electronic digital keystone correction
- 5BNC connectivity for sRGB devices
- Twin 3W stereo sound speakers
- On screen menu system with Help function for easy set-up
- Pre-programmed Presentation Effects and ELP Link IV Software
- Standard 1 year repair or replacement warranty

ANSI LUMENS	RESOLUTION
EMP-7250	1400 XGA
EMP-5350	1600 SVGA
EMP-7350	1700 XGA



EPSON EMP Installation Portable Projector

EPSON's brightest, most powerful installation projector

The EMP-8000 is a lightweight, ultra-bright, high performance projector targeted at both the installation and high-end portable markets. Capable of an ultra-bright 2200 ANSI lumens and featuring the very latest EPSON technological advances, the EMP-8000 is equally at home in classrooms, conference rooms or as a high-end installed projector in boardrooms or auditoriums.

Multiple projection

The 10-degree manual lens shift capability enables up to three projectors to be stacked together, to produce an amazingly bright image of almost 6000 ANSI lumens. What's more, up to 4 projectors can be used collectively, each responsible for 25% of the final image.

While the 20-degree digital keystone facility corrects the angle, aspect ratio and shape of the image whilst retaining its quality, Colour temperature adjustment is invaluable in a collective or stacking situation, ensuring that multiple projectors can be combined to create a completely unified projection.



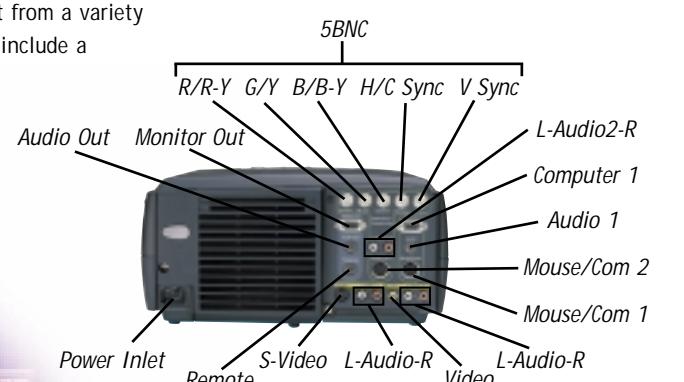
Image correction

A true XGA projector, the EMP-8000 uses Digital Active Resizing to produce high quality VGA, SVGA, SXGA and UXGA images, while the projector's 20-degree digital keystone correction capabilities automatically correct the angle, aspect ratio and shape of a projected image while retaining its quality.



Preset and No-signal display

Once the set-up menus have been prepared for a presentation, they can be saved using the preset function, which recalls the configuration instantly when they are next needed. And for a professional look even during periods between presenting, users can select from a variety of no signal screens which include a logo setting.



EMP-8000

2200 ANSI lumens True XGA resolution with VGA, SVGA, SXGA and UXGA support



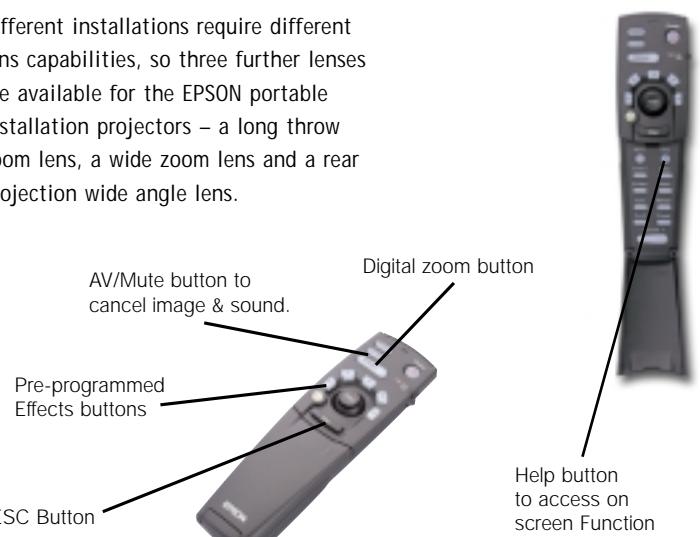
SUPPORTED RESOLUTION



SUPPORTED RESOLUTION

Optional lenses

Different installations require different lens capabilities, so three further lenses are available for the EPSON portable installation projectors – a long throw zoom lens, a wide zoom lens and a rear projection wide angle lens.



OPTIONS

(see Options section for full details)

- Portable screen
- Image Presentation Camera
- Long Throw Zoom lens
- Rear projection wide lens
- Wide Angle Zoom lens
- Stacking kit for up to 3 projectors
- Hard carry cases
- EPSON CoverPlus extended warranty
- Various length cables for installation



Key Features

- 8.3 Kg
- 220W UHE lamp
- Worldwide PAL, NTSC and SECAM video compatibility
- Connects simultaneously to 2 video and 2 computer sources
- Colour temperature adjustment capability
- New digital comb filter, 9 bit AD converter and noise reduction system for improved video colour processing
- Runs composite video and S-video simultaneously
- Widescreen and HDTV compatibility
- 20-degree electronic digital keystone correction and lens shift capability for stacking up to 3 projectors
- On-screen menu system with Help function for easy set-up
- Fully featured remote control with Pre-programmed Presentation Effects Software
- Bundled with EPSON ELP Link IV software
- Optional lens configurations to cover all installation environments
- Standard 1 year repair or replacement warranty

ANSI LUMENS RESOLUTION

EMP-8000

2200

XGA

Add even more versatility and professionalism to any presentation

Portable Screen - making everywhere a presentation environment

Mobile presenters are often uncertain of the environment in which they must work, so EPSON has developed a portable screen for use in conjunction with the whole EMP range of projectors. The 50-inch screen is a free-standing bright white soft polyester film that automatically rolls into a hard aluminium tube for easy transportation in its soft carry case.



*Hard and soft carry case
for safe travel*

Optional carry cases make the EMP projector range even easier to transport, and offer added protection along the way. Choose from a smart, black water-resistant soft case with a cushioned shoulder strap, or a hard impact-resistant case with built-in casters, integral combination lock and fold-away handle.



Image Presentation Camera for added presentation content

Connecting directly to any EMP Projector through its computer input, the Image Presentation Camera enables the presenter to display 3D objects, 35mm slides and hard copy documents. The camera lens can be rotated to focus on the slide holder, items on the camera bed or even on a person, who can then present on screen.



'The Ultimate Portable Projectors'

Upload presentations to an EPSON digital camera

The EPSON PhotoPC 800 and PhotoPC 850Z digital cameras include Program and File/Presentation software which transforms your digital camera into an invaluable presentation tool. Programs, presentations or image files can be uploaded to your digital camera, which can then be connected directly to your projector and used as a source, adding even greater flexibility during a presentation.



Ultra Portable			Desktop/Portable			Installation/Portable		
EMP-500	EMP-700	EMP-710	EMP-5350	EMP-7250	EMP-7350	EMP-8000		
Individual Product Features								
• Native Resolution	800 x 600 (SVGA)	1024 x 768 (XGA)	800 x 600 (SVGA)	1024 x 768 (XGA)		1024 x 768 (XGA)		
• Brightness – ANSI Lumens	800	1000	1600	1400	1700	2200		
• Display	VGA/XGA/SXGA	VGA/SVGA/SXGA/UXGA	VGA/XGA	VGA/SXGA/UXGA		VGA/SVGA/SXGA/UXGA		
• Resizing Technology	Digital Active Resizing Technology			Digital Active Resizing Technology				
• Display Technology	3 x Polysilicon TFT extended High Aperture 0.9" LCD Panels			3x Polysilicon TFT 1.3" LCD Technology				
• Micro Lens Array (MLA)	Without MLA		With MLA			Digital Active Resizing Technology		
• Contrast Ratio	400:1	350:1	400:1			Polysilicon TFT 1.3" LCD Technology		
• Projection Distance	1.1m to 13.8m		1.2m to 15.7m		400:1	With MLA		
• Computer Input	1 x HD-15 pin			1.2m to 15.9m		200:1		
Supports:	NEC400, VGACGA, VGAEGA, VGA60,72,75,85, VGA56/60/72/75/85, XGA43i/60/70/75/85, XGA1-70/75/85, SXGA2-60/75/85, XGA3-43i/60/75/85, SXGA3-43i/60/75/85, MACL13, MAC II 13, MAC16/19-60/19/21		NEC400, VGACGA, VGAEGA, VGA60/72/75/85, VGA56/60/72/75/85, XGA43i/60/70/75/85, SXGA2-60/75/85, XGA3-43i/60/75/85, SXGA48i/60/65/70/75/80/85, MAC13/16/19-60/19/21		NEC400, VGACGA, VGAEGA, VGA60/72/75/85, VGA56/60/72/75/85, XGA43i/60/70/75/85, SXGA1-70/75/85, SXGA2-60/75/85, SXGA3-43i/60/75/85, SXGA48i/60/65/70/75/80/85, MAC 13/16/19-60/19/21			
General Features								
• Colours Displayed	16.7 million			16.7 million				
• Light Source	120W Ultra High Efficiency UHP Lamp			150W Ultra High Efficiency Lamp				
• Projection Image Size	Minimum 26" to Maximum 300"			Minimum 23" to a maximum 300"				
• Zoom Operation	Manual Adjustment			Manual Adjustment				
• Zoom Ratio	1:1.2			1:1.3				
• Focus	Manual Adjustment			Manual Adjustment				
• Keystone Correction	±15° Adjustable			±20° Adjustable				
• Manual Lens Shift	N/A			N/A				
Audio Features								
• Input	Video Audio Signal and Host Computer Audio			Video Audio Signal and Host Computer Audio				
• Output	1 built-in 1W mono speaker Connectivity for external speakers			2 built in 3W stereo speakers Connectivity for external speakers				
• Monitor Output	N/A			HD - 15pin				
• Computer Audio Input	3.5mm Stereo Mini Jack			3.5mm Stereo Mini Jack				
• S-Terminal Input	4 pin mini DIN			4 pin Mini DIN				
• Composite Video Input	RCA Jack			RCA Jack				
Supports	NTSC, PAL, SECAM, NTSC 4.43, NTSC 4.43, NTSC 5.0, M-PAL, N-PAL, PAL 60			NTSC, PAL, SECAM, NTSC 4.43, M-PAL, N-PAL, PAL 60, HDTV 480i, 480P, 720P 1080I, 1080P				
• Video Audio Input	2 x RCA Jacks			2 x RCA Jacks				
• Audio Line Output -	3.5mm Stereo Mini Jack			3.5mm Stereo Mini Jack				
• Mouse Input	13 pin DIN			2 x 13 pin DIN				
• BNC Connectivity	N/A			Yes				
Remote Control Features								
• Operation Distance	Up to 10 metres (30 ft)			Up to 10 metres (30 ft)				
• Functions	Power, Comp, S-Video, Video, Resizing, Audio, Picture-in-Picture, Volume, Menu, A/V Mute, Freeze, Mouse, Electronic Digital Zoom, Pre-programmed effects 1-5, HELP			Power, Comp, Comp 1, Comp 2/BNC, S-Video, Video, Resizing, Audio, Picture-in-Picture, Volume, Menu, A/V Mute, Freeze, Mouse, Electronic Digital Zoom, Pre-programmed effects 1-5, HELP				
• Menu Adjustment Features	Brightness, Contrast, Colour, Colour Tint (NTSC), Horizontal Position, Vertical Position, Synchronous, Tracking Source Display, No Signal Display, Volume, RGB Level, Language, Blank Options, Rear Projection, Ceiling Projection, Custom Options, Lamp Life.			Brightness, Contrast, Colour, Colour Tint (NTSC), Horizontal Position, Vertical Position, Synchronous, Tracking Source Display, No Signal Display, Volume, RGB Level, Language, Blank Options, Rear Projection, Ceiling Projection, Custom Options, Lamp Life.				
• Backlit Remote Control	Yes			Yes				
General Characteristics								
• Dimensions (wxhxd)	267 x 213 x 72mm (excluding lens & foot)			300 x 360 x 120mm (excluding lens & foot)				
• Weight	2.6Kg			6.2Kg				
• Power Consumption	180W (10W Standby)			250W (12W Standby)				
• Power Supply	100-120V/200-240V ± 10%, 50/60Hz AC			100-120V/200-240V ± 10%, 50/60Hz AC				
• Noise Level	<40dB			<42dB				
Standards								
• CE Compliant	Yes			Yes				
• Safety	EN60950, NEMKO, DEMKO, SEMKO, EMC Directive - IEC801-5			EN60950, NEMKO, DEMKO, SEMKO, EMC Directive - IEC801-5				
• EMC	Power Line Surge			Power Line Surge				
• Environmental Protection	Dioxide Regulation, Recycling Regulation			Dioxide Regulation, Recycling Regulation				